

ABSTRACT

According to an embodiment, a DC driver circuit is coupled to a tip/ring line. The DC driver circuit includes a first capacitor coupled to a first switch where the first switch is coupled to an amplification circuit. An RC circuit is coupled to a second switch where the second switch is coupled to the amplification circuit. During a make state, the first and second switches are closed, causing the amplification circuit to draw current from the tip/ring line. During a break state, the first and second switches are open, preventing the amplification circuit from drawing current from the tip/ring line. The transition from the make state, during which a significant amount of current is drawn from the tip/ring line, to the break state, during which no current should be drawn from the tip/ring line, occurs at a rate that results in a significantly reduced voltage peak at the tip/ring line.